BRUHAT BENGALURU MAHANAGARA PALIKE

Name Of Works : Construction of basketball court and Alide park developments in sharadamda nagara in ward no 16

Rate Analysis

CSR: 2018-19

Sl No	Description of work	Unit	Page No.	Item No.	Basic/Date Rate	AW 6%	Lead & Lift	Sub Total	TP +4.33 %	Grand Total
EX-1	KSRB 5.14.1 : Providing and constructing load bearing wall with concrete solid blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part 1): 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, Scaffolding, Curing, hire charges of machineries etc., complete as per specification. KBS No.5.4-do with solid concrete blocks of size 400*150*200 mm (P-27/5.27.2) PWD SR 2018-19	Sqm	27	5.27.2	953	57.18		1010.18	43.74	1053.92
EX-2	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (page no-116 item no-15.17)	Sqm	116	15.17	249.44	14.97		264.41	11.45	275.86
EX-3	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 4.31 pg 16	Sqm	16	4.31	358.00	21.48		379.48	16.43	395.91

Scanned with CamScanner

Sl No	Description of work	Unit	Page No.	Item No.	Basic/Date Rate	AW 6%	Lead & Lift	Sub Total	TP +4.33 %	Grand Total
EX-4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 4.32 pg 16	Sqm	16	4.32	456.00	27.36		483.36	20.93	504.29
EX-6	KSRRB 300-3. Earthwork excavation by manual means in hard soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 143/ Item No. 19.2/ PWD SR 2018-19	Cum	143	19.20	179.00	10.74	40.96	189.74	8.22	197.96
EX-7	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. do- Wall & bottom thickness 15cm (P-270/37.59.2) PWD SR 2018-19	Cum	270	37.59.2	7002.82	420.17		7422.99	321.42	7744.40
EX-8	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.90 x 0.60 x 0.10) (Approved Data rate)	Sqm	Data Rate							2337.00

Scanned with CamScanner

Sl No	Description of work	Unit	Page No.	Item No.	Basic/Date Rate	AW 6%	Lead & Lift	Sub Total	TP +4.33 %	Grand Total
EX-9	KSRRB M300-4.Maintenance of lawns or Turfing of slopes (rough grassing) Sqm for a period of one year including watering etc complete as per specifications. MORTH Specification No. 307	Sqm	149	19.81	103.00	6.18		109.18	4.73	113.91
EX-10	Fabrication supplying and erecting M.S. tubular trusses of all spans as Kg per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and	kg	43	7.29	111.00	6.66		117.66	5.09	122.75
16	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of	kg	175	22.6.1	5315.38	318.92		5634.31	243.97	5878.27

Scanned with CamScanner

Sl No	Description of work	Unit	Page No.	Item No.	Basic/Date Rate	AW 6%	Lead & Lift	Sub Total	TP +4.33 %	Grand Total
24	Basket ball marking with white paint in machine as per the drawing	Sqm								50000.00
27	KSRRB M2300-14. Supplying, fitting and placing TMT bar reinforcement in super-structure complete as per drawing and technical specifications complete as per specifications MORTH Specification No. 1600, TMT bars Fe 500 (Page No. 239, Item No. 29.29.2)	tonne	239	29.29.2	69804.00	4188.24		73992.24	3203.86	77196.10
EX-11	Fabricating,providing and erecting in position of MS Hot Dip Galvanized Sq.Hallow Poles of 132 x 132 Heavy gauge of length 3000mm with MS.Hot dip galvanized grill work as per approved design and drawing of chief architect.using 12x75mm galvanized flat for(DATA RATE APPROVED)	Sqm	DATA Rate							9144.14
EX-12	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.(Page No.32, Item No.5.48) 2019-20 Electrical SR	Each	32	5.48	4030.00	0.00		4030.00	174.50	4204.50
EX-13	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.(Page No.26, Item No.5.13.4)	Each	26	5.13.4	7200.00	0.00		7200.00	311.76	7511.76
EX-14	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.(Page No.27, Item No.5.17.9)	Each	27	5.17.9	2397.00	0.00		2397.00	103.79	2500.79

Scanned with CamScanner

Sl No	Description of work	Unit	Page No.	Item No.	Basic/Date Rate	AW 6%	Lead & Lift	Sub Total	TP +4.33 %	Grand Total
EX-15	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.(Page No.5, Item No.2.3.2)1)1.5 sqmm	Mtr	5	2.3.2	20.50	0.00		20.50	0.89	21.39
EX-16	16 sqmm	Mtr	6	2.3.7	188.00	0.00		188.00	8.14	196.14
EX-17	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint 1) 40x40x6 (Page No.30, Item No.5.41.1)	Rmtr	30	5.41.1	255.00	0.00		255.00	11.04	266.04
EX-18	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-397 4 core 16 sqm (pag. No.40, Item No.6.4.4)	mtr	40	6.4.4	150.00	0.00		150.00	6.50	156.50
EX-19	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. 6 sqmm to 16 sqmm (item No.6.5.1 Page No.41)	mtr	41	6.5.1	11.88	0.00		11.88	0.51	12.39
EX-20	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes. 16 sqmm (Item No.6.17.6, Pag No.43)	Each	43	6.17.6	12.44	0.00		12.44	0.54	12.98
EX-21	Supplying and Fixing.....mm dia class A GI pipe bracket up to 2.7 meters long terminated with a reducing collar of 40x25mm to which extra pipe of 175mm length is fixed for fixing MV/SV/MH/FTL street light fitting of all capacities on rail/RCC/wall/tubular pole, using suitable clamps, bolts, nuts and wiring using suitable capacity wires. Using 32mm dia G.I.Pipe (Item No.14.2.2, [pag No.79)	Each	79	14.2.2	1052.00	0.00		1052.00	45.55	1097.55

Scanned with CamScanner

Sl No	Description of work	Unit	Page No.	Item No.	Basic/Date Rate	AW 6%	Lead & Lift	Sub Total	TP +4.33 %	Grand Total
EX-22	Supply of....Bay integral induction luminary fittings Die cast aluminium base with suitable prewired electronic control gear to operate on 170 to 250V 50Hz AC Supply And Suitable Wattage induction lamp. The fitting should have fitted with toughened transparent glass botttom etc. completly the body of the fitting shall be finished with black/grey powder coated paint with enclosure conforming to IP54 Specifications.150(Item No,4.26.2, Pg No 24)	Each	24	4.26.2	26850.00	0.00		26850.00	1162.61	28012.61
EX-23	Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.(Item No,15.104, Pg No 127)	Sqm	127	15.104	180.00	10.80		190.80	8.26	199.06

Scanned with CamScanner

Sl No	Description of work	Unit	Page No.	Item No.	Basic/Date Rate	AW 6%	Lead & Lift	Sub Total	TP +4.33 %	Grand Total
EX-24	Pruviding textured paint of approved quality, colour and shade to Sqm wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges etc., complete as per directions of the Engineer-in-charge of the work. .(Item No,15.105, Pg No 128)	Sqm	128	15.105	439.00	26.34		465.34	20.15	485.49

Assistant Engineer
Ward No-16
BBMP

Scanned with CamScanner